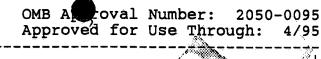
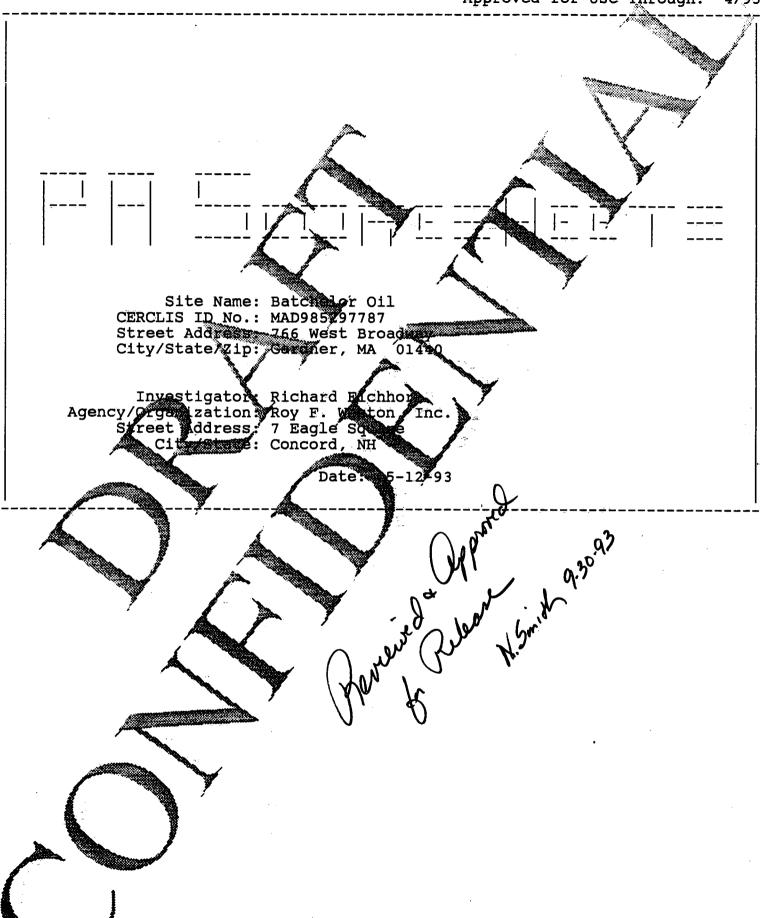
INTERNAL REVIEW SITE ASSESSMENT GROUP CERCLIS DECISION RECORD

Site Name: Batchelo	
Site Name: / Outcomes	
CERCLIS #: MAD 9852	97787
Site Assessment Product Revie	ewed: PA SI Other
State Coordinator: (1)	my Smith Date: 9-30-93
SAG Reviewers: (2)	16mith Date: 9-3093
(3)	Date:
(4)	Date:
Recommended CERCLIS Decision:	
Reviewer (1) (2) (3) (4)	NFRAP - No Site NFRAP - No Waste NFRAP - Petroleum Only NFRAP - Low HRS Score NFRAP - Other (Explain Under Comments) Defer to RCRA/NFC Continued Investigation Under CERCLA
Comments Reviewer (1):	
Comments Reviewer (2):	
Comments Reviewer (3):	
Comments Reviewer (4):	





WASTE CHARACTERISTICS

Waste Characteristics (WC) Calculations:

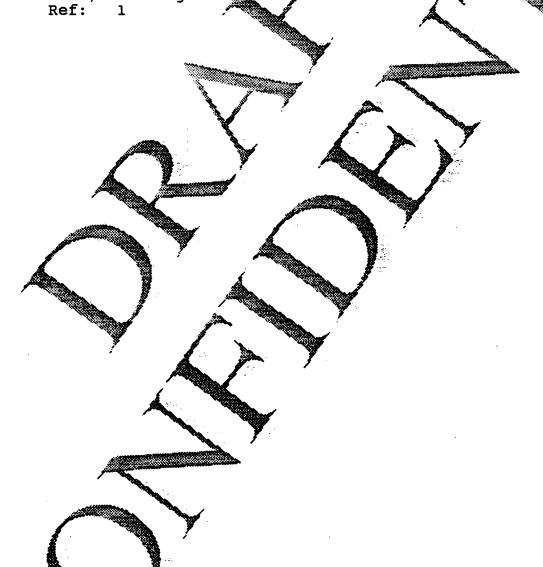
1 Garage Floor Drains Other Ref: 1 WQ value maximum

Volume

8.95E+03 cu ft

1.33E+02

No records of oil storage and off-site disposal we available prior to 1977. We assume that same oily waste entered to garage floor drains during the 23 years of mage prior to 1977. We assume that an average of one gallon of waste entered the drain per seek for 23 years as a result of routine vehicle maintaince and washing of floor drains. These estimates translate to 113 gallons (8946 cubic feet) discharged inst the floor drains.



** Only irst WC Page Is Printed ** | Waste Characteristics Score: WC = 32

Ground Water Pathway Criteria List Suspected Release	
Are sources poorly contained? (y/n/u)	Y
Is the source a type likely to contribute to ground water contamination (e.g., wet 1000n)? \v/n/u)	n Y
Is waste quantity particularly lar ? (y/n/u)	ט
Is precipitation heavy? (y/n/u)	Y
Is the infiltration rate high (y/n/u)	N
Is the site located in an area of karst terrain? (y/n)	'n
Is the subsurface highly permeable or conductive? w/n/u)	Ň
Is drinking water drawn from a shallow adoifer? (y/n/u)	N
Are suspected contaminants highly mobile in ground water? (y/n/u)	N
Does analytical or circumstantial vidence surgest grad water contamination? (y/n/u)	Y
Other criter (y/n) N	
SUSPECTED RELEASE? (y/n)	Y

Summarize the ationale for Suspected Release:

Groundwater at the site is believed to be relatively shallow (less than 20 feet), due to the resence of thick clay deposits beneath the site of occasional flowing of an on-site basement. According to the site owner, rainwater ofter ponds on the property during heavy rainfall events. The froor drains are located in the truck maintainance garages at the site. The floor drains are not believed to be connected to a municipal sewer system, and therefore likely discharge on-site.

Ref:

Ground Water Pathway Criteria List Primary Targets	A STATE OF THE STA
Is any drinking water well nearby? (y/n/u)	Υ
Has any nearby drinking water well been closed? (y/n/m)	N
Has any nearby drinking water well user reported foul-testing or foul-smelling water. (y/n)	N
Does any nearby well have a large draw own/high, duction rate? (y/n/u	1) N
Is any drinking water well located between the site and other wells that are suspected be exposed to a hazardous substance? (y/n/u	ı) U
Does analytical or circumstant al evidence suggest contamination at a drinking water well? (y/n/u)	N
Does any drinking water well Farrant sampling? (y/n/u)	N
Other criteria? (y/n) N	
PRIMARY TARGET (N) IDENTIFIED? (y/n)	N

Summarize to rate of for Primary Tax ts:

No primary takent wells are expects to be associated with this The new public well is a community well located approximate one-third of a mile so th of the site. This well serves the site lot and two butting lots to the east. No rands are kept by the Gardne Board of Health on drinking water complaints involving parate well. The Town of Gardner is not responsible for maintenant or moditoring of the community well. The neares private well is scated on the abutting property to the west, approximately 500 feet from a potential source area.

Ref 🖫

GROUND WATER PATHWAY SCORESHEETS

References
l 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
l 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
References
References

Page:

Total

Ground Water Target Populations

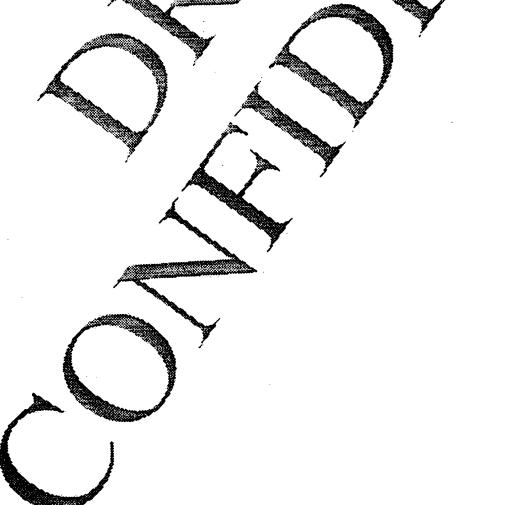
Primary Target Population Drinking Water Well ID	Dist. (miles)	Population Served	Reference	
None				F=
			7	
*** Note : Maximum of	Wells Are Pr	inted ***	Total	

Secondary Target Population Distance Categories Population Services	* · _ · ·	Value
0 to 1/4 mile 25	2,3,4	2
Greater than 1/4 to 1/2 mile 86	2,3,4	3
Greater than 1/2 to 1 mile 73	2,3,4	2
Great han 1 to 2 miles 389	2,3,4	9
Greater than 2 to 3 miles 2989	2,3,4	21
Greatar than 3 to 4 miles 908	2,3,4	4

Apportionment Documentation for a Blended System

The municipal water supply for the town of Templeton is a blended system. The system consists of four wells, which contribute water to a common holding tank prior to distribution. The Sawyer Street well is located in East Templeton, approx. 1.1 miles west of the site. The Otter River well, in the village of Otter River, is located approximately 3.5 miles west of the site. The other two wells, Birch Hill #1 & #2, are scated approx. 5 miles set of the site. The Sawyer Street and Otter River wells pump contributely, while the Birch Hill wells pump only as needed. Approx. apportionments are as follow: Otter River, 25%, wyer Street, 57%; Birch Hill, 9% each.

Ref: 4,6



Y

U

U

U

Y

U

N

Y

N

Surface Water Pathway Criteria List Suspected Release

Is surface water nearby? (y/n/u)

Is waste quantity particularly farge? (y/n/u)

Is the drainage area large? (١)

Is rainfall heavy? (y/n/u)

Is the infiltration rate low? (y/n/u)

Are sources poorly contained or prone to rusoff or flooding? (y/n/u)

Is a runoff route well defined a.g.ditch/channel to surf.water)? (y/n/u) N

Is vegetation stressed along the probable runori path? (y/n/u)

Are sediments or water innaturally discolored? (y/n/u)

Is wildlife unnaturally absent? (w/n/u)

Has deposition of waste into surfact ater been observed? (y/n/u)

Is ground wa discharge to summe water likely? (y/n/u)

Does and call cumstantial evidence suggest S.W. contam? (y/n/u)

Other criteries (y/n)

SUSPECTED RELEASE? (y/n)

Summarize to rationale for Sepected Release:

No evidence of discharge to surface water was observed during the site reconnaissant

Ref:

1

Surface Water Pathway Criteria List Primary Targets Is any target nearby? (y/n/u) If yes: Y N Drinking water intake Fisherv Sensitive environment Has any intake, fishery, or secrea anal area beer closed w/n/u) N Does analytical or circumstantial evidence sugges surface water contamination at or downstream of a target? (y/n/u) Y Does any target warrant sampling? (y/n/u) If yes: Y N Drinking water intake Y Fishery N Sensitive environment Other criteria? (y/m) PRIMARY INTAKE (Y/n) Summarize the rationale for Primar Intakes: Although here in this es within 2 miles of the site, none are along the surface was pathwe from the site. The water from the intake are periodically ab-tested for parameters which include the france compounds and metals. No elevated levels of the parameters of concile, have been detected.

Ref:

continued

continued --Other criteria? (y/n) PRIMARY FISHERY(IES) IDENTIFIED? (Summarize the rationale for Primary Fisheries: There is a potential for waste of releases to have occurred into the on-site floor drains, which likely discharge onto the site. The proximity of the Otter River to the site, and a likely groundwater to surface water relationship between the site and he river, create a high probability that on-site releases may impact to river. Ref: Other colle PRIMARY SENST VE ENVIRONMENT(S) IDENTIFIED? (y/n) N Summarine the rationale Primary Sensitive Environments: No sensit e environments has been identified along the 15 mile downstream pathway from the size.

gage: 1

SURFACE WATER PATHWAY SCORESHEETS

hway Characteristics		Kef
Do you suspect a release? (y/n)	No /	
Distance to surface water (feet):	500	2+ 1
Flood frequency (years):	100	12
What is the downstream distance (miles) to: a. the nearest drinking waver intake b. the nearest fishery? c. the nearest sensitive environment	N.A 0. ? N.A	1 8,9
LIKELIHOOD OF RELEASE Release	No Suspected Release Re	eference
1. SUSPECTED RELEASE 0 2. NO SUSPECTED RELEASE	500	
LR = 0	500	

Page: 11

Drinking Water Threat Targets

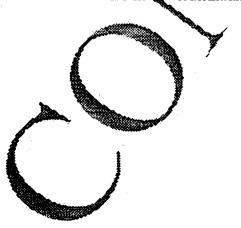
TARGETS	Suspected Release	No Suspected Release	References
3. Determine the water body type flow (if applicable), and number of people served by each drinking water intake.			
4. PRIMARY TARGET POPULATION 0 person(s)	0		
5. SECONDARY TARGET POPULATION Are any intakes part of a blended system? (y/n):		0	
6. NEAREST INTAKE	Ω	0	
7. RESOURCES	0	5	
T =	0	5	·

Drinking Water Threat Target Population

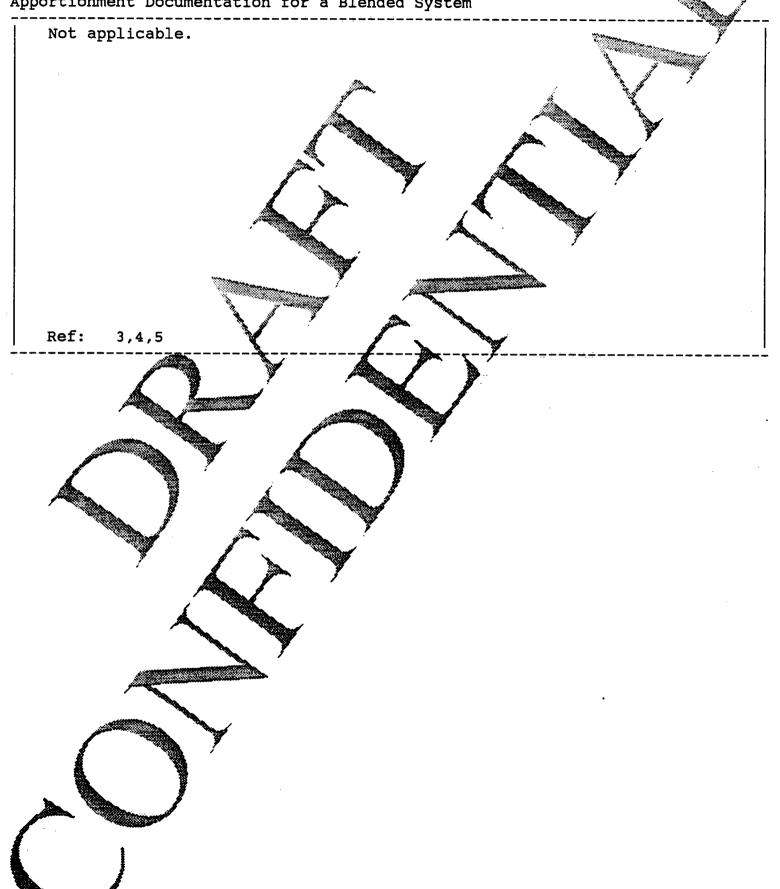
Intake <u>N</u> ame	Primary Population (y/n) Water B v Type/Flow Served Ref.	Value
None	4 1	
		İ
	Total Primary Target Population Value	0

Total Secondary Target Population Value 0

*** Note: Maximum of 6 Intakes Are Printed ***



Apportionment Documentation for a Blended System



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Human Food Chain Threat Targets

TARGETS	Suspected Release	No Suspested Release	References
8. Determine the water body t and flow for each fishery within the target limit.	pe		
9. PRIMARY FISHERIES	0		
10. SECONDARY FISHERIES	0	12	
	0	2	

Human Food Chain Threat Targets

_					<u>~</u>			
	Fishery Name		Primary (y/n)	Water Body	Type/Flow	Ref.	Value	Ī
	1 Otter River	V	N	>100-1000	cfs	10,11	12	
	2 Miller River			>100 1000	cfs	10,11	12	
	3 Clay-pit cond		N	Coastal,oc	ean,Gr.Lake	1	12	
		7						
ļ								
_			Total Total	Primary Fis	sheries Valu Fisheries Va	ie alue	0	

*** Note: Maximum of 6 Firsteries Are Printed ***



Environmental Threat Targets

ТА	RGETS	Suspected Release	No Suspected Release	References
11.	Determine the water body type and flow (if applicable) for each sensitive environment.	_		y
12.	PRIMARY SENSITIVE ENVIRONMENTS	0		
13.	SECONDARY SENSITIVE ENVIRONS.	0	0	
	T =	0		

Environmental Threat Targets

	Sensitive	Environme	nt Name	Primary (y/n)	Water Body	Type/Flow	Ref.	Value
	None							
			{					
		1						

Total rimary Sensitive evironments Value
Total Secondary Sensitive hvironments Value
*** Note: Maximum of 6 sensitive Environments Are Printed ***

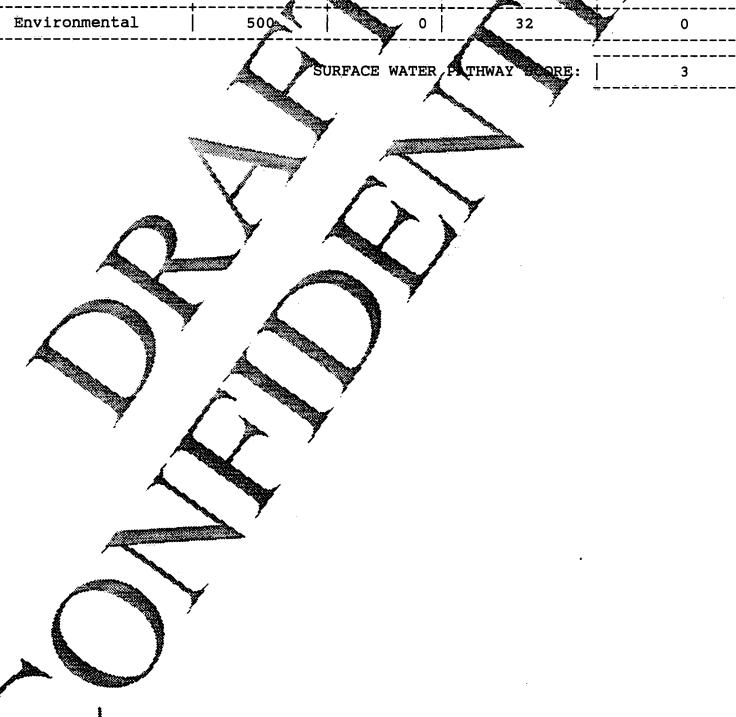
0



Page: 15

Surface Water Pathway Threat Scores

Threat	Likelihood of Release(LR) Score		Pathway Waste Characteristics (WC) Score	Threat Score LR x T x WC 82,500
Drinking Water	500	5	32	1
Human Food Chain	500	12	32	2
Environmental	500	0	32	0



Soil Exposure Pathway Criteria List Resident Population Is any residence, school, or daycare facility on or within 200 feet of an area of suspected contamination? (y/a/ N Is any residence, school, or daycare facility located on adjacent land previously owned or least by the site owner/operator? (//n/u) N Is there a migration route that might spread hazardous substances near residences, schools, or dayca facilities (y/n/u) Ñ Have onsite or adjacent residents or students reporter adverse health effects, exclusive of apparent drinking water air contamination problems? (n/u) U Does any neighboring property wirrant sampling? (M/n/u) IJ Other criteria? (y/n) RESIDENT POPULATION IDENTIFIED? (y/n) Summarize the regionale for Reside Population Although here are eidents within 0 feet of an area of suspected contamination there does not mean to be a pathway for the waste to impact the esidences. It waste is present, it is likely below the grain surfer, which hinders elections to the local residents and Workers Ref:

Page: 17

SOIL EXPOSURE PTHWAY SCORESHEETS

Pathway Characteristics		****	***	₽ef.
Do any people live on or within of areas of suspected contami	n 200 ft nation? (y/n)	N	No y	1
Do any people attend school of of areas of suspected contains	daycare on or wation? (y/n)	vithin 00 ft	No	1
Is the facility active? (():		<u> </u>	Yes	1
	1			
LIKELIHOOD OF EXPOSURE	Suspected Contamination	References		
1. SUSPECTED CONTAMINATION LE	550			
Targets				
2. RESIDENT POPULATION 0 resident(s) 0 school/diycare student(s)		1		
3. RESIDENT ADIVIDUAL				
4. WORK 1 100	0	10		
5, RRES. SENSITIVE ENVIRONMEN	0			
6. RESOURCES	0			
T Y	0			
WASTE CHARACTERISTICS WC =	32	•		
RESIDENT POPULATION THREAT SCORE:	2			
NEARBY BOPULATION THRÉAT SCORE:	1 1	•		
Population Within 1 Mile: 1 - 10,	000			
STIL EXPOSURE PATHWAY SCORE:	3			

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Soil Exposure Pathway Terrestrial Sensitive Environments

	Sensitive Environment Nam	 Reference	
None	<i></i>	 <u> </u>	
			Ţ
		7	
			ļ



Batchelor Oil - 09/24/93	
Air Pathway Criteria List Suspected Release	gguir -
Are odors currently reported? (y/n/u)	ט
Has release of a hazardous substance to the air been directly obserted? (y/nxu)	N
Are there reports of adverse health effects (e.g., headach nausea, dizziness) potentially realting from migration of hazardous substances through the air? (y/n/u)	U
Does analytical/circumstantial evidence suggest releas to air? (y/n/u)	ט
Other criteria? (y/n)	
SUSPECTED RELEASE? (y/n) Summarize the rationale for Suspected Release:	N
No evidence of a release to the air or ground was oserved during the site reconaissance. No odors were observed during the site reconaissance. OVM realings were within background levels, as measured by an organic vapor Meter OVM), during the site re-	
conaissan	

Ref

Page: 20

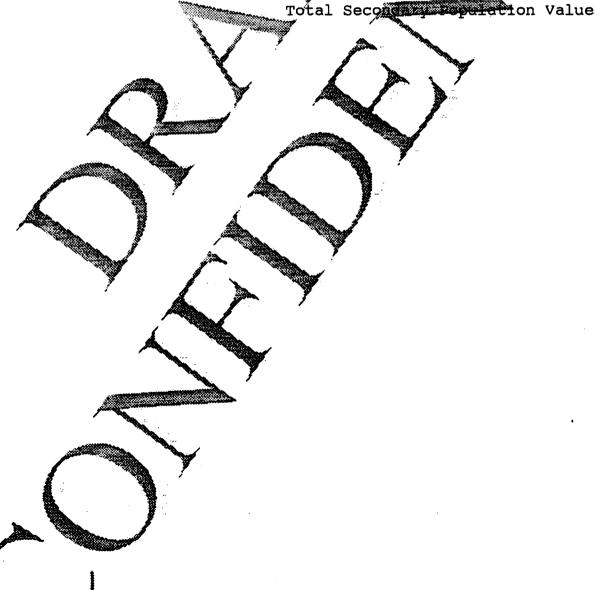
AIR PATHWAY SCORESHEETS

Pathway Characteristics		******	Ref.
Do you suspect a release? (y/r	n)	No	
Distance to the nearest indiv	dual (feet):	ð	1
			Y
LIKELIHOOD OF RELEASE	Stanected Release	O Suspected Release	References
1. SUSPECTED RELEASE	` 0 /		·
2. NO SUSPECTED RELEASE		500	
LR 🗐	1	500	(<u></u>
TARGETS	Suspected Release	No Suspected Release	References
3. PRIMARY TARGET POPULATION 0 p			
4. SECONDARY 1. GET POPULATION	70	23	
5. NEAREST 1 DIVIDUAL	0	20	
6 PIMARY SENSITIVE ENVIRONS.	0		
7. SECONDARY SENSITIVE ENVIRONS.	. 💆 0	1	
8. RESOURCES	0	5	
T =	0	49	
ASTE CHARACTERISTICS			
WC =	0	32	
R PATHWAY SCORE:		9	

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Air Pathway Secondary Target Populations

Distance Categories	Population	References	Value
Onsite	3	10	1
Greater than 0 to 1/4 mile	43	2,3,4	1
Greater than 1/4 to 1/2 mile	1000	3,4	3
Greater than 1/2 to 1 mile	392	2,3,4	8
Greater than 1 to 2 miles	21/554	2,3,4	8
Greater than 2 to 3 miles	2584	3,5	1
Greater than 3 to 4 miles	2318	2,3,5	1
	Total Socomers Total	ton Value	1 22



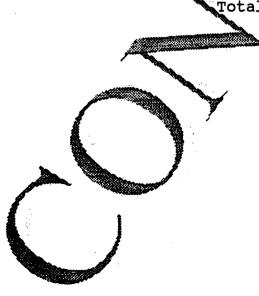
Page: 22

Air Pathway Primary Sensitive Environments

Demotitive	Environment Name		Ref erence	†″va⊥u
None		<u>,</u>) <i>y</i>
		Ā		
				<u> </u>
			y	
				<u>+</u>
			7	<u>+</u>
				+

*** Note: Maximum of 7 Sensitive Environments Are Printed***
Air Pathway Secondary Sensitive Environments

	Sensitive Environment Name		Distance	Reference	Value
	1 Otter River Wetlands		0 - 1/4	9,10	0.6
			 !		
			-	· 	
		Ĭ			
	Total econdary Se	ensitive	e Environme	nts Value	1



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SITE SCORE CALCULATION SCORE GROUND WATER PATHWAY SCORE: 15 SURFACE WATER PATHWAY SCORE: SOIL EXPOSURE PATHWAY SCORE: AIR PATHWAY SCORE: SITE SCORE:

SUMMARY

1. Is there a high possibility of a threat to any nearby drinking water well(s) by migration of a hazardous substance in ground water? No

If yes, identify the well(s).

If yes, how many people are served by the threatene well(s)? (

- 2. Is there a high possibility of a threat to any of the following by hazardous substance migration in surface water?
 - A. Drinking water intake

No Yes

B. Fishery

C. Sensitive environment (wetland, cristical habitat, others)

s) No

If yes, identity the target(s).

Otter River

- there a high possibility an area of surficial contamination thin 200 feet of any residence, school, or daycare facility? No If yes, tentify the properies and estimate the associated population(s)
- 4. Are there public hear concerns at this site that are not address d by PA scoring considerations?

ЙO

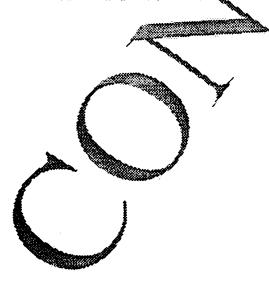
If yes, evaluate

REFERENCE LIST

Page: 25

- 1. WESTON/ARCS. 1993 (issued). Log Book No. 04100-010-006. Field Activities at Batchelor Oil, Gardner, MA. Work Assignment No. 10-IJZZ.
- Ricker, J. (WESTON/ARCS). 1993. Phone conversation record with Ms.

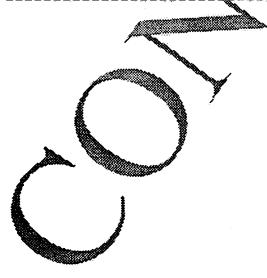
 Vicki Lauderback (United States Census Bureau), Re: Population
 information for Gardner, MA and surrounding towns.
- 3. Ricker, J. (WESTON/ARCS). 1993. hone conversation recomment with Mr. Peter Boukas (Gardner Water Department), Re: Water supply information for Town of Gardner. March 18.
- 4. Ricker, J. (WESTON/ARC). 1983. Phone convertation cord with Donald Previer (Templeton Water Department), Re: Water supply information for the Town of Templeton. Maich 18.
- 5. Ricker, J. (WESTON/ARCS). 1999. Phone conversation record with Bill Brennan (Ashburnham Water Department). Research supply information for the Town of Ashburnham March 18.
- 6. Massachusetts Department of Environmentaly Protection, Division of Water Supply, 1991. Community Public Water Supply Statistics for the Town of Templeton. March 11.
- 7. Eichhorn R. (WESTON ARCS). 1993. Prope conversation record with a representative of the Gardner and of Health, Re: Drinking water complaints.
- 8. Beckett, G (United State) Department of the Interior). 1993. Letter to R. Eichhorn (WESTON/ARCS) Re: Federally listed threatened or langered species within a Lur-mile radius of Batchelor oil. May 27
- 9. United States Geological Survey. 1984. Fitchburg, Massachusetts Quadrang Map, 7.5 x15" salies (topographic).
- 10. United States Geological Survey. 1984. Athol, Massachusetts Quadrangle Map, 7.5"x15" ser as (topographic).
- 11. National Flood Insurance Program. 1981. Flood Insurance Rate Map, Town of Gardner, Workster County, Massachusetts, Panel 8 of 9. July 2.



Page: 1

OMB Approval Number: 2050-0695 Approved for Use Through: 4/95

POTENTIAL HAZARDOUS WASTE SITE	IDENTIFICATION State: CERCLIS Number: MA MAD985297787
WASTE SITE	MA MAD965297767
PRELIMINARY ASSESSMENT FORM	CERCEL Discovery Date:
1. General Site Information	Y
Name: Batchelor Oil	Street Address. 766 West Broadway
City: State: MA	Zip Code: County: Co. Cong. 01440 Worcester Code: Dist:
Latitude: Longitude: Approx. 42 33' 49.5" 72 0' 52.0" 7	Area of Site: Status of Site: 000 sq feet Active
2. Owner/Operator Information	
Owner: Charles Manca	Charles Manca
Street Address 766 West Broadway	Street Address: 766 West Broadway
City: Gardner	City: Gardner
State: Zip Code: felephone: MA 01440 508 632-567	State: Zip Code: Telephone: MA
Type of Ownership: Private	How Initially Identified: Federal Program



•	<i>[</i>
POTENTIAL HAZARDOUS	IDENTIFICATION
WASTE SITE	State: CERCLIS Number: MA MAD985297787
PRELIMINARY ASSESSMENT FORM	CERCLIS Discovery Date: 09-18-91
3. Site Evaluator Information	
Name of Evaluator: Agency/Organization Richard Eichhorn Roy F. Weston, Inc.	Date Prepared: 05-12-93
Street Address: City: Concord	State:
Name of EPA or State Agency Contact: Telephone: Nancy Smith	97
Street Address: JFK Federal Building, Canal Street Boston	State:
4. Site Disposition (for EPA use only)	
Emergency Response/Remove Recommendation Assessment Other Signature	re:
Recommendation No Name: Date: Position	n:
	·

IDENTIFICATION POTENTIAL HAZARDOUS CERCLIS Number: State: MAD985297787 WASTE SITE PRELIMINARY ASSESSMENT FORM CERCLIS Discovery Date: 09-18-91 5. General Site Characteristi**¢**s Years of Operation: Predominant Land Uses Within Site Set ing: 1 Mile of Site: Becoming Year: 1952 Commercial Suburban Ending Residential 1993 Forest/Fields Other: waste Cenerated: Type of Site Operations Onsite Mining Non-Metallic Minera Waste Deposition Authorized Retail By. Former Owner RCRA v Generator Small Quants vaste Accessible to the Public No Distance to Nearest Dwelling, School, or Workplace: Feet te Characteristics Information Source Ty Quant Fier General Types of Waste: Other 95e+03 V Organics Oily Waste Physical State of Waste as Deposited Liquid Tier gend W = Wastestream A = Area

POTENTIAL HAZARDOUS	IDENTIFICATION
	State: CERCLIS Number:
WASTE SITE	MA MAD985297787
PRELIMINARY ASSESSMENT FORM	CERCLIS Discovery Date: 09-18-91
7. Ground Water Pathway	
Is Ground Water Used Is There a Suspected	List Secondary Target
for Drinking Water Pelease to Ground Water Water	Toulation Served by Ground Water Withdrawn
No Yes	From:
Type of Ground Water Wells Within 4 Miles: Have Prymary Target	0 - 1/4 Mile 25
Municipal Drinking Water Wells	->174 - 1/2 Mile 86
Private Been Identified: No	>1/2 - 1 Mile 73
Depth to Shallowest Agerrar:	>1 - 2 Miles 389
10 Feet	>2 - 3 Miles 2989
Karst Terrain wifer Wellhead rotect of	>3 - 4 Miles 908
Present: No >0 - 4 h les	Total 4470



IDENTIFICATION POTENTIAL HAZARDOUS CERCLIS Number: State: WASTE SITE MAD985297787 PRELIMINARY ASSESSMENT FOR CERCLIS Discovery Date: 09-18-91 Mart'l of 4 8. Surface Water Pathway Type of Surface Water Draining Shortest Overland Distance From Any Site and 15 Miles Downstream: Source to Surface later: River 500 Pond 0.1 Miles Located in: Is there a Suspected Release to Surface Water 0 yr 100 yr floodplai 8. Surface ter Pethway Part 2 of 4 Drinking Water Thakes Along the Sure ce Water Migration Path: No water Interes Been Identified: No rget Drinking Secondary larget Drinking None

POTENTIAL HAZARDOUS

WASTE SITE

PRELIMINARY ASSESSMENT FORM

IDENTIFICATION

State: CI

CERCLIS Number: MAD985297787

CERCLIS Discovery Date:

09-18-91

Part'3 of 4

8. Surface Water Pathway

Fisheries Located Along the Surface Water Migration Path: Yes

Have Primary Target Fisheries Been Identified; Yes

Secondary Target Fisheries:

Fishery Name Otter River Miller River Clay-pit pond Water Body Eype/Flow(cfs)
moderate-large stream/ >100-1000
moderate-large stream/ >100-1000

Coastal, ocean, Gr. Lakes

Part 4 of 4

8. Surface Water Pathway

Wetlands Located Along the Sixface Water Migration Path? (y/n) Yes

Have rimary Target Wetlands Been Idertified? (y/n) No

Secondary Target Wetlands:

None

Other Sensitive Invironments Along the Surface Water Migration Path: No

Have Primary Target Sensitive Environments Been Identified: No

Secondary Target Season See Environments:

None

IDENTIFICATION POTENTIAL HAZARDOUS CERCLIS Number: MAD985297787 State: WASTE SITE MA PRELIMINARY ASSESSMENT FORM CERCLIS Discovery Date: 09-18-91 9. Soil Exposure Pathway Are People Occupying Residences or | ttending School or Daycare on d | Number of Worker Onsite: Within 200 Feet of Areas of Known | 1 - 100 or Suspected Contamination No Have Terrestrial Sensitive Environments Reen Identified on or Within 200 Feet of Areas of Known or Suspected Contamination: No A Pathway Total Population on or within Is There a Suspected Release to Air: Onsite 0 - 1/4 Mile etlands Located >1/4 - 1/2 Mile Within 4 Miles of the Site: >1/2 - 1 Mile 3892 >1 - 2 Miles >2 - 3 Miles Other Sensitive Environments Located >3 - 4 Miles Within 4 Miles of the Site: No Total Sensitive Environments Within 1/2 Mile of the Site: Distance Sensitive Environment Type/Wetlands Area(acres) etlands (1 to 50 acres)

PA-Score 2.1 Scoresheets Batchelor Oil - 09/24/93

REFERENCE LIST

- 1. WESTON/ARCS. 1993 (issued). Log Book No. 04100-010-006. Field Activities at Batchelor Oil, Gardner, MA. Work Assignment No. 10-IJZZ.
- Ricker, J. (WESTON/ARCS). 1993. Phone conversation record with Ms.

 Vicki Lauderback (United States Census Bureau), Re: Population
 information for Gardner, MA and surrounding towns.
- 3. Ricker, J. (WESTON/ARCS). 993. hone conversation recomment with Mr. Peter Boukas (Gardner Water Department), Re: Water supply information for Town of Gardner. March 18.
- 4. Ricker, J. (WESTON/ARCS). 1993. Phone convergation cord with Donald Previer (Templeton Water Department), Re: Water supply information for the Town of Templeton. March 18.
- 5. Ricker, J. (WESTON/ARCS). 1999. Phone conversation record with Bill Brennan (Ashburnham Water Department). Record water supply information for the Town of Ashburnham March 18.
- 6. Massachusetts Department of Environmentaly Protection, Division of Water Supply 1991. Community Public Water Supply Statistics for the Town of Templaton. Many 11.
- 7. Eichhorn R. (MESTON ARCS). 1993. Place conversation record with a representative of the Gardner Lord of Wealth, Re: Drinking water complaints.
- 8. Beckett, C. (United State Department of the Interior). 1993. Letter to R. Eichhorn (WESTON/ARCS). Re: Federally listed threatened or dangered species within a Laur-male radius of Batchelor oil. May 27
- 9. United States Geological Survey. 1984. Fitchburg, Massachusetts Quadrang Map, 7,5"x15" series (topographic).
- 10. United States Goological Survey. 1984. Athol, Massachusetts Quadrangle Map, 7.5"x15" ses, s (topographic).
- 11. National Flood Insurance Program. 1981. Flood Insurance Rate Map, Town of Gardner, Workster County, Massachusetts, Panel 8 of 9. July 2.

